

## OCEAN GALES AND STORMS JULY, 1926

Vessel	Voyage		Position at time of lowest barometer		Gale began	Time of lowest barometer	Gale ended	Lowest barometer	Direction of wind when gale began	Direction and force of wind at time of lowest barometer	Direction of wind when gale ended	Highest force of wind and direction	Shifts of wind near time of lowest barometer
	From—	To—	Latitude	Longitude									
NORTH ATLANTIC OCEAN													
Cameronia, Br. S. S.	Glasgow	New York	51 49 N.	38 42 W.	6th	8 p., 6th	7th	Inches 29.05	E	S., 8	NW	NW., 8	SE.-NE.-NW.
Dront, Br. S. S.	Hamburg	do	46 22 N.	32 51 W.	10th	2 a., 11th	11th	29.65	SW	SW., —	NNW	—, 8	SW.-W.-NNW.
Marlja Petrinovic, Jug. Slav. S. S.	Norfolk	Europe	39 45 N.	53 59 W.	11th	1 p., 11th	11th	29.85	SW	SW., 8	SW	SW., 8	Steady.
Mayaro, Br. S. S.	Grenada	New York	17 22 N.	63 56 W.	23d	1 a., 23d	23d	29.66	ENE	ENE., 11	ESE	SE., 12	ENE.-E.-ESE.
Tegucigalpa, Hond. S. S.	Baracoa	do	24 30 N.	73 24 W.	24th	3 p., 25th	25th	29.72	ENE	ENE., 10	E	E., 12	ENE.-E.
United States, Dan. S. S.	Oslo	do	58 32 N.	3 40 E.	25th	9 a., 25th	25th	29.27	S	NNW., 6	NNW	NNW., 8	S.-NW.
William Campion, Am. S. S.	Colon	Philadelphia	23 40 N.	70 00 W.	24th	Noon, 25th	26th	29.52	NE	E., 12	SE	E., 12	NE.-E.-SE.
Bogota, Am. S. S.	New York	West Indies	25 00 N.	74 12 W.	25th	2 a., 26th	26th	29.79	E	E., 10	SE	E., 10	SE.-E.
Ariano, Br. S. S.	London	Montreal	53 25 N.	42 10 W.	26th	4 p., 26th	27th	29.52	WSW	WSW., 7	SSW	WSW., 8	Steady.
Sun, Am. S. S.	Off Miami	do	25 18 N.	80 05 W.	26th	4 p., 27th	27th	29.57	NNE	WNW., —	WSW	—, 10	NNE.-NW.-W.
Gulfking, Am. S. S.	Philadelphia	Port Arthur	29 10 N.	80 24 W.	27th	Noon, 27th	28th	29.91	ENE	ENE., 6	S	NE., 12	E.-SE.
Orizaba, Am. S. S.	New York	Habana	28 25 N.	79 35 W.	26th	Noon, 27th	28th	29.00	E	NE., 12	SE	NE., 12	N.-NE.
Gulftrade, Am. S. S.	Bayonne	Port Arthur	28 20 N.	78 49 W.	27th	7 p., 27th	28th	29.60	E	E., 10	S	ENE., 11	E.-ESE.
E. R. Kemp, Am. S. S.	Portsmouth	Houston	31 43 N.	31 43 W.	28th	3 a., 28th	29th	29.95	SSE	SSE., —	S	—, 8	SE.-S.
Endicott, Am. S. S.	Galveston	Havre	45 32 N.	23 38 W.	30th	10 p., 30th	31st	29.92	SSW	—, 7	WSW	S., 8	S.-WSW.
Pres. Roosevelt, Am. S. S.	Bremerhaven	New York	50 08 N.	21 10 W.	31st	2 p., 31st	31st	29.87	S	S., 5	W	N., 8	S.-SW.
NORTH PACIFIC OCEAN													
Coalinga, Am. S. S.	Iquique	Los Angeles	17 10 N.	104 00 W.	5th	8 p., 8th	9th	28.90	W	SE., 12	SE	SE., 12	Steady.
F. J. Luckenbach, Am. S. S.	San Pedro	New York	18 00 N.	103 38 W.	7th	6 p., 7th	8th	29.00	E	SE., 4	SE	ENE., 9	Steady.
Mayebashi Maru, Jap. S. S.	Balboa	Los Angeles	17 36 N.	102 59 W.	8th	9 p., 8th	9th	29.73	ESE	E., —	SE	E., 8	E.-ESE.
Pacific Shipper, Br. S. S.	San Pedro	Panama	18 35 N.	104 22 W.	8th	8 p., 8th	9th	29.67	S	ENE., 9	ESE	ENE., 9	Steady.
Montana, Fr. S. S.	do	Balboa	19 20 N.	105 32 W.	8th	8 a., 9th	9th	29.80	SE	E., 8	SE	E., 8	Steady.
Montgomery City, Am. S. S.	Portland, Oreg.	Baltimore	19 12 N.	105 45 W.	9th	9 a., —	9th	29.77	SE	ESE., 7	ESE	E., 8	E.-ESE.
William Campion, Am. S. S.	Grays Harbor	Balboa	20 13 N.	106 40 W.	8th	4 p., 8th	10th	29.63	W	SE., 8	SE	SE., 8	S.-SE.
Toco, Br. S. S.	San Pedro	Tecopilla	19 10 N.	107 10 W.	9th	3 p., 9th	10th	29.52	E	E., 8	SE	E., 8	Steady.
Harold Dollar, Br. S. S.	San Francisco	Kobe	34 35 N.	139 30 E.	13th	7 p., 14th	14th	29.28	NE	—	NW	NE., 9	Steady.
Weirbank, Br. S. S.	Chemulpo	Shanghai	37 10 N.	126 20 E.	15th	8 a., 15th	16th	29.68	S	S., 8	SSW	S., 10	Steady.
Oak Park, Am. S. S.	Honolulu	Balboa	19 15 N.	127 52 W.	18th	1 a., 19th	19th	29.50	N	N., 8	SE	N., 8	N.-S.-SE.
Grace Dollar, Am. S. S.	Karatsu	San Francisco	48 30 N.	163 47 E.	20th	8 p., 20th	22d	29.93	SSW	SSW., 6	S	SSW., 8	S.-SSW.
Africa Maru, Jap. S. S.	Victoria	Yokohama	52 29 N.	164 16 W.	21st	4 p., 21st	22d	29.68	WNW	WNW., 8	WNW	WNW., 8	Steady.
Do	do	do	50 04 N.	175 00 E.	25th	8 a., —	25th	29.68	W	SW., 8	SW	SW., 8	S.-SW.
Pres. Taft, Am. S. S.	Honolulu	do	34 49 N.	154 30 E.	26th	2 p., 26th	27th	29.29	SE	SSW., 3	SW	SE., 8	Steady.
SOUTH PACIFIC OCEAN													
Canad. Britisher, Br. S. S.	Port Kembla	Panama	34 50 S.	168 00 W.	10th	Midt, 11th	11th	29.32	ENE	NNE 9	NNE	ENE., 10	2 points.

551.506 (265.2)  
NORTH PACIFIC OCEAN

By WILLIS EDWIN HURD

The Aleutian Low in June had almost disappeared, except for a great shallow trough over the northern waters of the ocean. At this season the Low is somewhat vestigial and usually recedes toward the western part of Bering Sea. Recession is also normal to July, but in July, 1926, unusual pressure conditions prevailed in this region. The average barometer at Kodiak was 29.78 inches, 0.18 inch below the normal. At Juneau it was also much below, while at St. Paul, in the eastern Bering Sea, it was almost as decidedly above. Hence a pronounced and abnormal Low appeared central over the northwestern part of the Gulf of Alaska.

TABLE 1.—Averages, departures, and extremes of atmospheric pressure at sea level at indicated hours, North Pacific Ocean, July, 1926

Station	Average pressure	Departure from normal	Highest	Date	Lowest	Date
	Inches	Inch	Inches		Inches	
Dutch Harbor <sup>1</sup>	29.97	-0.05	30.26	10th	29.54	2d.
St. Paul <sup>1</sup>	29.98	+ .13	30.28	19th	29.52	25th.
Kodiak <sup>1</sup>	29.78	- .18	30.16	15th	29.20	3d.
Midway Island <sup>1</sup>	30.10	+ .02	30.22	5th	29.04	16th.
Honolulu <sup>2</sup>	30.10	- .01	30.10	29th	28.88	22d.
Juneau	29.91	- .14	30.15	20th	29.49	24th.
Tatoosh Island <sup>2</sup>	30.06	- .01	30.29	31st	29.80	9th.
San Francisco <sup>3</sup>	29.91	- .04	30.06	12th	29.65	8th.
San Diego <sup>3</sup>	29.89	.00	30.02	29th	29.72	9th.

<sup>1</sup> P. m. observations only.<sup>2</sup> A. m. and p. m. observations.<sup>3</sup> Corrected to 24-hour mean.<sup>4</sup> Thirty days.<sup>5</sup> And on other dates.

The east Pacific anticyclone was permanent throughout the month. Early in July it was central near the American coast, but after the first few days it spread westward and thereafter occupied an enormous area in middle latitudes, being central somewhat east of the 180th meridian.

At Honolulu after the slight break of June in the long drouth the dry conditions returned. The total July rainfall amounted to only 0.36 inch, which was 0.83 inch below the normal. The trades blew 95 per cent of the time, prevailing from the east, highest velocity 28 miles from the east on the 20th. The temperatures also continued high, and the month was the warmest July since 1900.

Dry weather continued along the American coast south of Vancouver. San Francisco at the end of the month reported the 85th successive day without appreciable rainfall, while Eureka experienced the driest spring and summer on record. Temperatures continued abnormally high. At Juneau, owing to the favorable location of the Aleutian Low, precipitation occurred frequently.

Very little rough weather occurred over the main body of the ocean, and such gales as were experienced by vessels in mid-sea at various times were only of moderate force.

In the tropics, however, the weather was more disturbed. An account of the typhoons of the Far East during the month is appended.